



E-FORCE HT-PLUS

PRODUCT DESCRIPTION:

E-FORCE HT-Plus is a versatile and comprehensive heavy-duty engine oil designed to meet the diverse needs of heavy-duty applications across industries such as trucking, mining, construction, quarrying, and agriculture. It provides exceptional protection for the most demanding diesel engines from manufacturers like Caterpillar, Cummins, Detroit, Mack, Mercedes-Benz, Renault, MAN, Navistar, Volvo, and others. E-FORCE HT-Plus is recommended for Euro V and VI Volvo engines and off-highway engines meeting EU Stage IV and EPA Tier IV standards, equipped with DPFs and requiring CJ-4/E9-12/VDS-4/ Cat ECF-3 lubricants.

ENGINE APPLICATION:

- ACEA E9/11-22
- API CJ-4/CI-4+ /CI-4, SN/CF
- Daimler DTFR 15B1101
- MAN M3575
- MTU Type 2.1
- Volvo VDS-4
- Mack EO-O Premium Plus
- Renault Trucks RLD3
- Cummins CES 20081
- Caterpillar ECF-2, ECF-3
- Deutz DQC III-10 LA
- DDC 93K218
- Global DHD1
- JASO DH-2

GEARBOX APPLICATION:

- API GL-4
- ZF TE ML 07D
- Caterpillar TO-4M/ TO-4
- Komatsu clutch (TO-40)
- Allison C-4

HYDRAULIC SYSTEM APPLICATION:

- ISO VG-68 HM
- JCMA HK 68
- KOMATSU HO-68
- Case MS 1230

FEATURES & BENEFITS:

- High thermal and oxidation stability
- Stay-in-grade shear stability
- Excellent low and high temperature properties
- Longer gasket and seal life
- High TBN reserves
- Reduced sludge build-up
- Component compatibility
- Longer drain intervals
- Start-up wear protection
- One oil for mixed fleet operations

PERFORMANCE MEET OR EXCEEDS:

- API CJ-4/CI-4+ /CI-4
- ACEA E9/11-22
- DTFR 15B1101
- MAN M3575
- Volvo VDS-4
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- JASO DH2
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- Cummins CES 20081
- Global DHD1
- Renault RLD3
- MTU Type 2.1

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	E-FORCE HT-PLUS
Grade			15W-40
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	15.5
Viscosity Index (min)	D2270	-	135
Density@15°C/ 60°F	D4052	g/cm ³	TBR
Flash Point (min)	D92	°C	220
Pour Point (max)	D97	°C	-33
TBN	D2896	mg KOH/g	11.5
CCS	D5293	m.Pa.S	<7000 (-20°C)

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internal reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internal.net.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.